# Wisconsin Department of Transportation

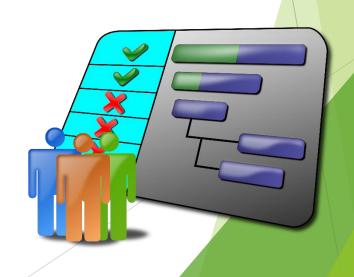
Masterworks Implementation Overview



### Implementation Objectives

Objective: Improve and standardize **cost estimating and scheduling of delivery services and non-delivery work:** 

- Standardize work break down structure
- Standardize resource type and time for complexity of projects
- Standardize methodology for risk and cost estimating
- Standardize scheduling milestones
- Standardize activity tracking
- Automate sharing of information between systems



### WisDOT Masterworks Implementation

Last Updated 10/31/2016

### Executive Sponsor

Beth Cannestra Director Bureau of Project Development

Nate Czech - Consultant Services Chief Randy Knoche - Contract Manager Scott Lawry - Construction Contract Manager Mike Statz - ACEC Leadership Liaison - MSA

### WisDOT Project Team

Josh Moriarty - Aurigo PM Dan Meinen - Project Leader Mitch Patoka - Consultant Services Engineer

### Other Key Personnel

WisDOT Project Team Support

Diane Phaneuf - WisDOT CAU Biren Patel - WisDOT BPD Jana Williams - TEKsystems Karen Andročski - WisDOT BPD Carrie Murphy - WisDOT BPD Todd Van Fossen - WisDOT BPD

### **Key Technical Support**

Ann AverIII - WisDOT BITS Rick Way - WisDOT BITS Tom Gries - WisDOT BITS

### **Key Liaisons**

Julie Millard - WisDOT BPD/Project Mgmt Deb Webb-Frameen - WbDC/T BPD Mark Mitchell - WisDOT BPD Tammy Hodgson - WisDOT 8PD Tom Ries - WisDOT AO/Strategic IT Dave Esse - WisDOT AC/Strategic IT Tom Seekman - WisDOT NWR/Resourcing Tom Buchholz - WIsDOT NER/Resourcing

### Phase I - e-contracting

WisDOT Project Manager Sharon Bremser

### MASTERWORKS'

### Consultant Services Representatives

Nate Czech - WisDOT BPD Sharon Bremser - WisDOT 8PD Dave Stertz - WisDOT 8PD Dan Meinen - WisDOT BPD Carrie Murphy - WisDOT BPD Biren Patel - WisDOT BPD Mitch Patoka - WisDOT BPD Sandi Villiesse - WisDOT BPD Julie Fezatte - WisDOT NER Brenda Veeser - WISDOT NER Becky Manske - WisDOT NER Sheri Groll - WisDOT NER Mark Ploederer - WisDOT NWR Kris Goodwill - WisDOT NWR Jennifer Oldenburg - WisDOT NWR Robin Stafford - WisDOT NCR Mike Kretschmer - WisDOT NCR Deb Wolfe - WISDOT NCR Jennifer Trudeau - WisDOT NCR

Randy Knoche - WisDOT CAU Deb Evers - WisDOT SER Danielle Block - WisDOT SER Mary Liz Frenn - WisDOT SER Jackie Hotz - WisDOT SER Rose Woo - WisDOT SER Christal Benn - WisDOT SER Bill Strobel - WisDOT SWR Ian Winger - WisDOT SWR Charles Horman - WisDOT SWR Sandy MacDonald - WisDOT SWR. Teri Beckman - WisDOT SWR Jan Bennett - WisDOT BTS Sue Klokow - WisDOT BTS Sherry Miner - WisDOT BTS Najoua Ksontini - WisDOT BOS Patti Dulin - WisDOT - 89 Kim Schauder - WisDOT - 139

### E-Contracting Committee

Balaji Sreenivasan - Aurigo Corporate Oversight

Kevin Koenig - Aurigo Senior Functional Expert/CTO

Aurigo Account Manager

Josh Moriarty

**Aurigo Business Analyst** Rakesh Kaipenchery Alok Juneja

Harini Anil

Aurigo Development Team

Beth Cannestra - WisDOT BPD Nate Czech - WisDOT BPD Sharon Bremser - WisDOT 8PD Dan Meinen - WisDOT BPD Carrie Murphy - WisDOT BPD Mitch Patoka - WisDOT BPD Biren Patel - WisDOT BPD Brenda Veeser - WisDOT NER Mark Ploederer - WisDOT NWR Jeff Stewart - WisDOT NCR Mike Kretschmer - WisDOT NCR Randy Knoche - WisDOT CAU Diane Phaneuf - WIsDOT CAU Mike Treazise - WisDOT SER Bill Strobel - WisDOT SWR Mike Bakalars - KL Engineering Joe Bunker - Strand Brian Wilson - EMCS Darin Blang - OTIE Troy Gagner - CORRE Mike Statz - MSA

### Phase II - Construction Management

WisDOT Project Manager Dan Meinen

WisDOT Contract Manager Sharon Bremser

### WisDOT Project Team

Josh Moriarty - Aurigo PM Cathy Weber - Project Leader David Castleberg - WisDOT Supervisor

### **Business Liaisons**

Mitch Patoka - WisDOT BPD Josh Sterrz - SEF Gilbane Justin Kutka - SEF Mortenson Amana McNichols - NER AECOM Jill Fehrman - WisDOT BPD Travis Buros - WisDOT BPD Geoff Williams - WisDOT NER Katrina Feltes - WisDOT SWR Brenda Veeser - WisDOT NER Patti Oemig - WisDOT SEF David Hubbard - WisDOT BPD Tammy Hodgson - WisDOT NER Nahid Afsari - SWR Cotter Todd Van Fossen - WisDOT SWR Adam Bleskacek - WisDOT NWR Mark Higley - WisDOT NER Lance Parve - WisDOT SEF Kaela Mattson - WisDOT SEF Annette Czerneski - WisDOT BPD Jason Roselle - WisDOT SEF Brian Roper - WisDOT SEF Heather Sackman - WisDOT SEF

### Scope & Fee Focus Groups

### Project Management

Joe Bunker - Strand Darin Stong - OTIC Mike Estalam - KL Engineering Todd Van Foxsen - SPD Clody Flower - SER Danielle Block - SER

### Pavement and Soils Design Development Doug Senso - RA Smith

Ben Mattuon - Are Eng Testing Douglas Bath - GESTRA Bob Amdorfer - BTS Wandy Mayes - NWR Laura Fenley - BTS

### Brian Wilson - DMCS

Briso Andreas - Strand Aaron Steger - KL Engineering Mike Treatise - SEE Jeff Stewart - NCB

### Data, Survey and Mapping Env and Cultural Impact Kevin Boyer - DMCS

Inn Sennett - 875

Mike Piller - NWR

Ryan Murphy - OTIE Terry Genoke - Strand Scott Cramer - W. Engineering Jisson Krueger - Ayres Tom Lynch - Strand Shor Telleget - BTS Kathle Van Price - NER

Chad Halverron - Michael Bakes Dave Partrialf - Avres Mark Maday - CIQMIIII Randy Thomas - CH2M Hill Aaron Bonk - BOS

### Traffic Operations RE. RR and Utilities Keyle Rubband - MSA

Mike Kowai - Becher Hoppe Wike Scarmon - KL Engineering Emia Paternon - III Engineering Derek Hungness - SRF Mathem Unimekt - ADCOM Lisa Stern - DTIM STLERN Rebecca Szymkowski - BTO Andy Wings - SWIT.

### Post-PSE Contract Admin

Doug Sins - IT Engineering Troy Gagner - CORRE Byan Schanhofer - Ki, Engineering Book Christmanne - 500 BIG Bertrand - NCR

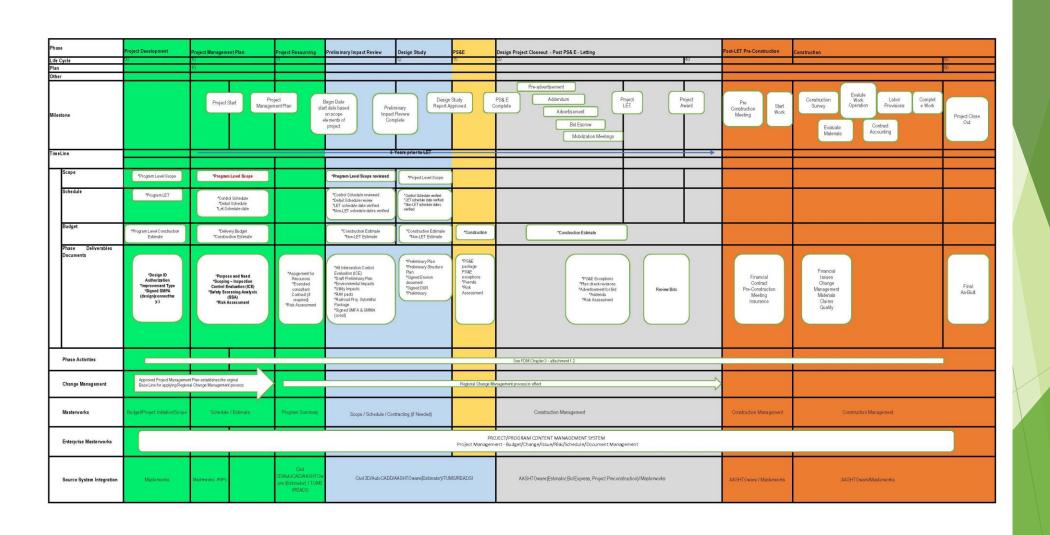
## Scope of Functionality in Masterworks

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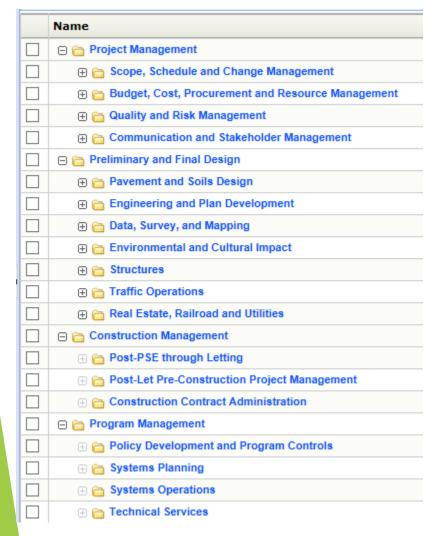
- Masterworks will be used by all functional areas of WisDOT.
  - Planning, scoping and scheduling a services to deliver project
  - Estimating cost of delivery of a project
  - Preliminary estimating construction costs of a project
  - Issue, risk and change management for a project
  - Document management of all project related information
  - Work flow management
  - Project reporting
  - Program and performance reporting

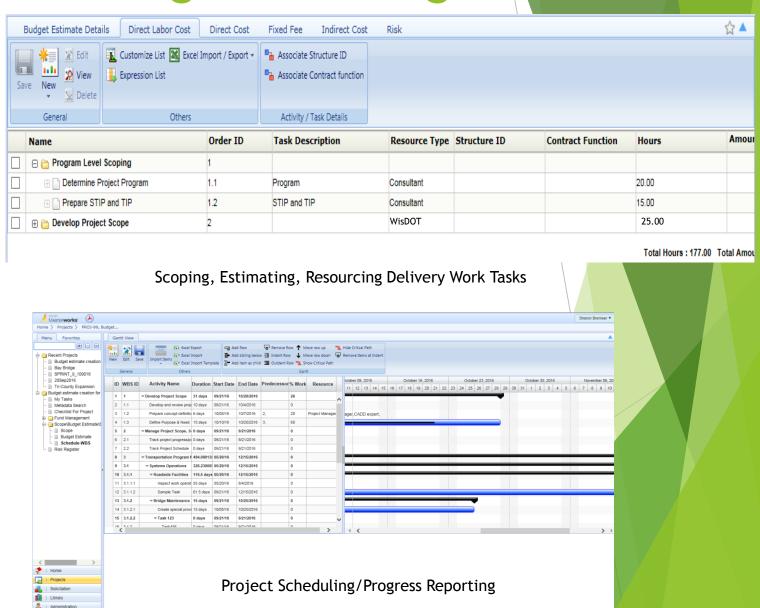


## Facility Development Process

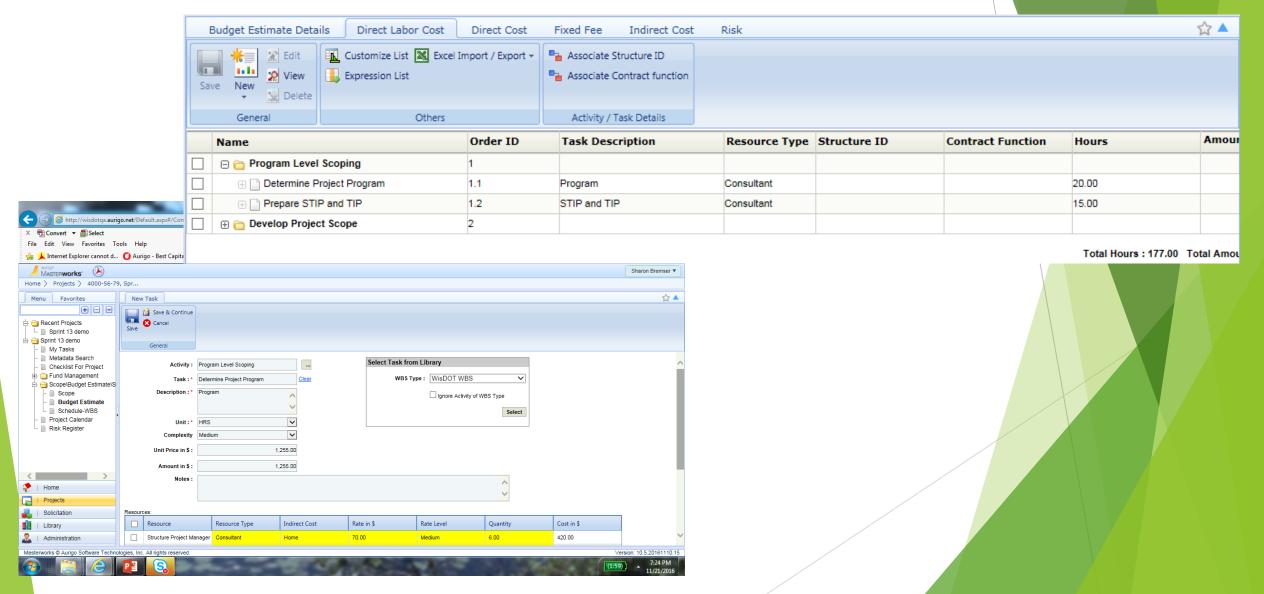


### Work Breakdown/Resourcing/Scheduling

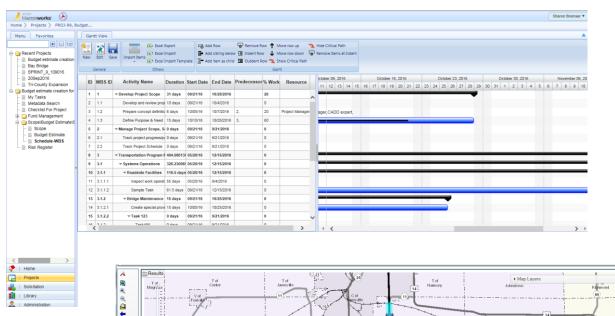


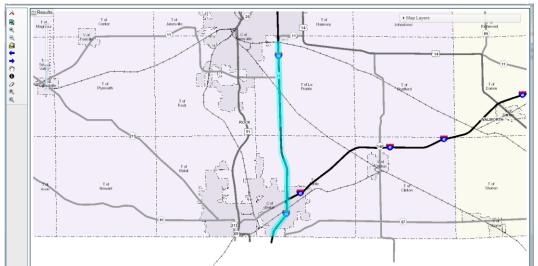


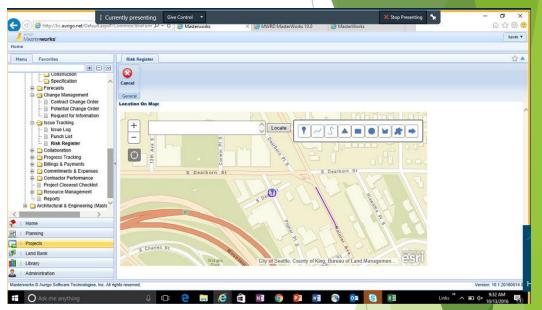
### Resourcing



### Scheduling/Mapping/Location

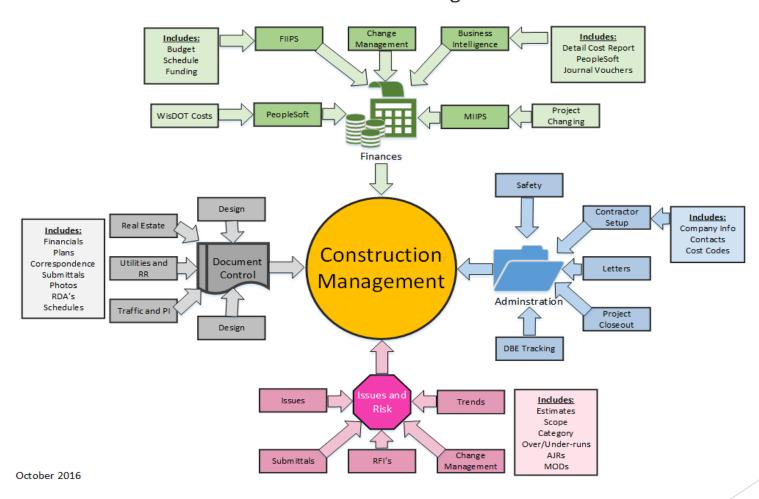






# Document Control/Construction Management

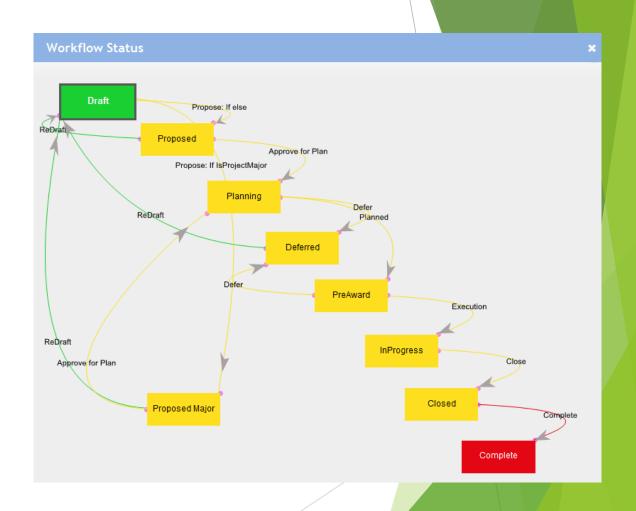
### WisDOT Construction Management Workflow



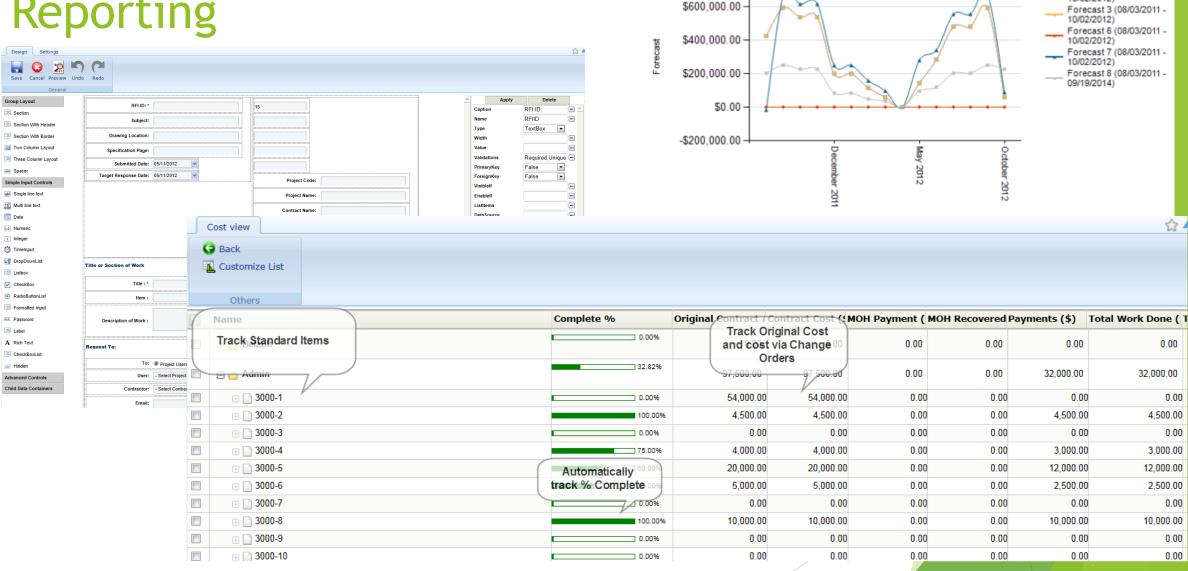
# Work Flow/Roles/Security

### WisDOT/Consultant/Contractor

Approve/Approver Review/Reviewer Submit/Submitter Publish/Publisher Create/Creator Edit/Editor Update/Updater



# Reporting

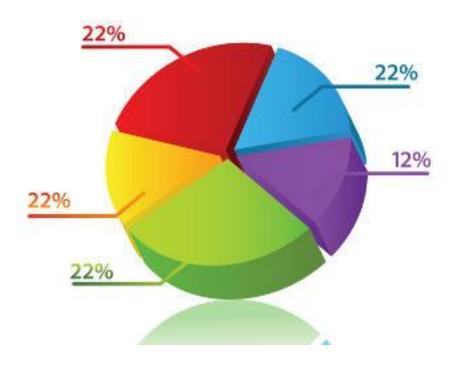


\$800,000.00 -

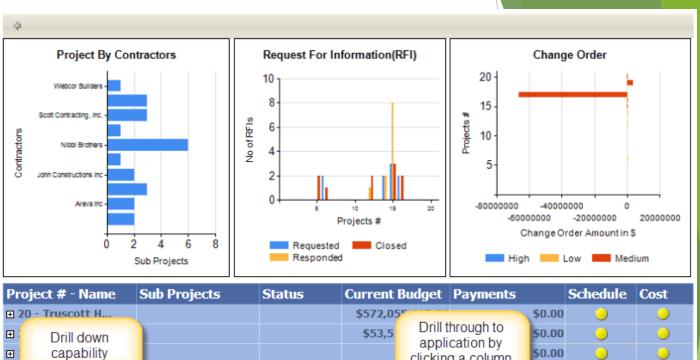
Forecasts Forecast 1 (08/03/2011 -

10/02/2012)

### **Dashboarding**

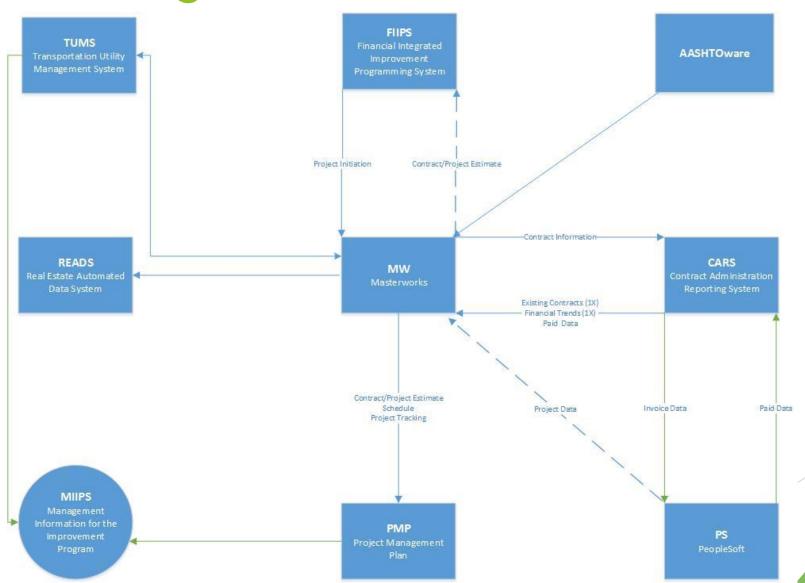


Budget Encumbrance Spent Schedule People Work Days



Project # - Name	Sub Projects	Status	Current Budge	et Payments		Schedule	Cost
± 20 - Truscott H			\$572,055		\$0.00	<u> </u>	<u>)</u>
■ Drill down				application by		<u> </u>	<u>)</u>
						<u> </u>	<u>)</u>
± 17			\$347,69		\$0.00	<u> </u>	<u>)</u>
□ 16 - Citywide B	Construction Phase I	Pending	\$68,692,310	.94 \$4,25	3,830.79	•	•
	Construction Phase II	Pending	\$14,925,569	.10	\$0.00	•	•
	Construction Phase III	Pending	\$101,504,550	.49	\$0.00	•	•
	Construction Phase IV	Pending	\$0	.00	\$0.00	•	•
			\$185,122,430	.52 \$4,253	,830.79	<u> </u>	<u> </u>
15 - Seismic 23			\$12,382,670	.93 \$922	,901.41	•	•
14 - Safety Sys			\$34,574,717	.00 \$7,575	,915.50	•	•
13 - US Capitol  ■ 13 - US Capitol			\$30,801	.85	\$0.00	<u> </u>	<u> </u>
			\$143 500	00	\$0.00		

# **System Integration**



### **Consultant Administrators**

- Will work with industry to send out information early
- Will have open sign up starting in April timeframe
- ▶ Will describe duties and have training available for firms to discuss
- Will need help spreading the word
- Duties:
  - User Management within firm
  - Consultant Profile/Library information
  - Support and Training



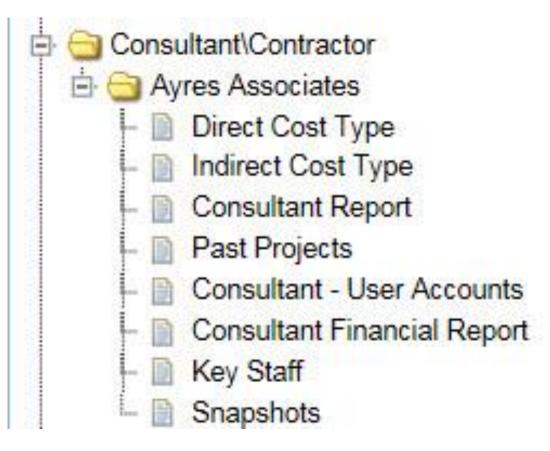
# System Access



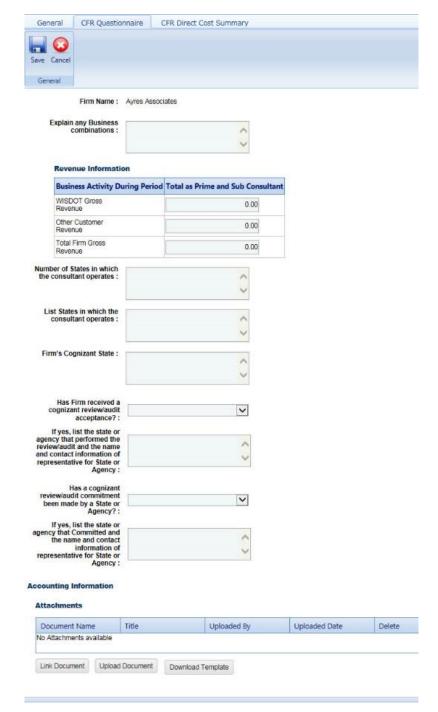


# Consultant Libraries/Application/Registration

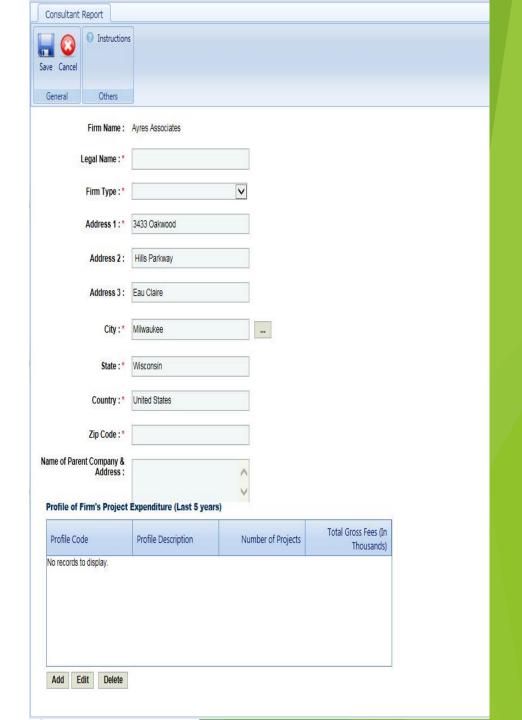




### Consultant Registration







### Scope of services needed

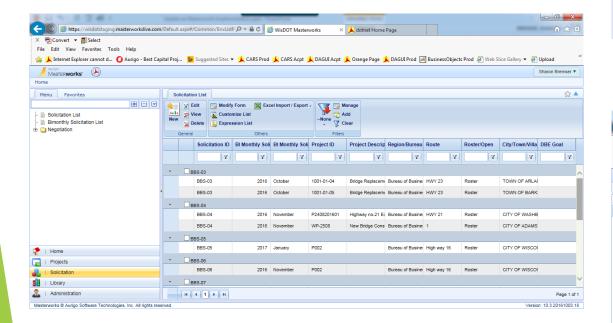




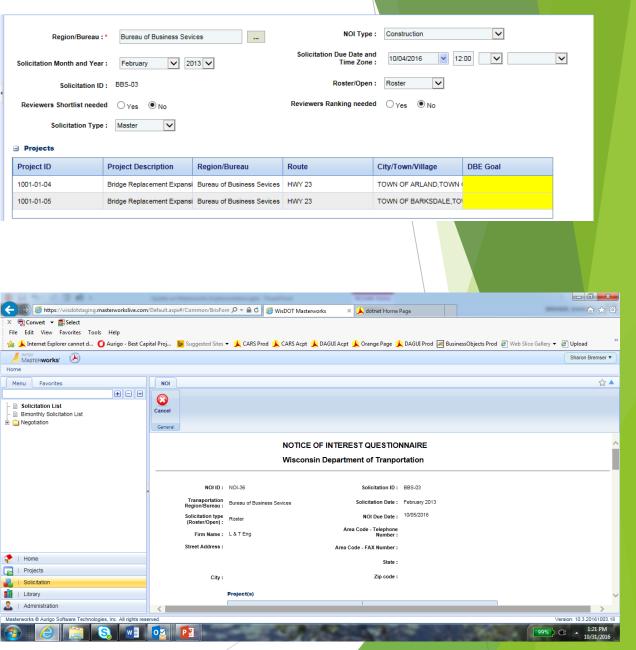


<sup>\*</sup>list does not represent activity level

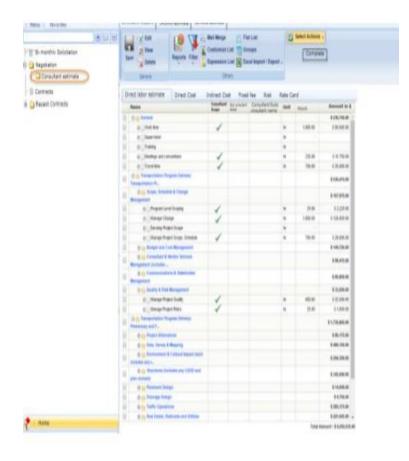
### Solicitation/NOI

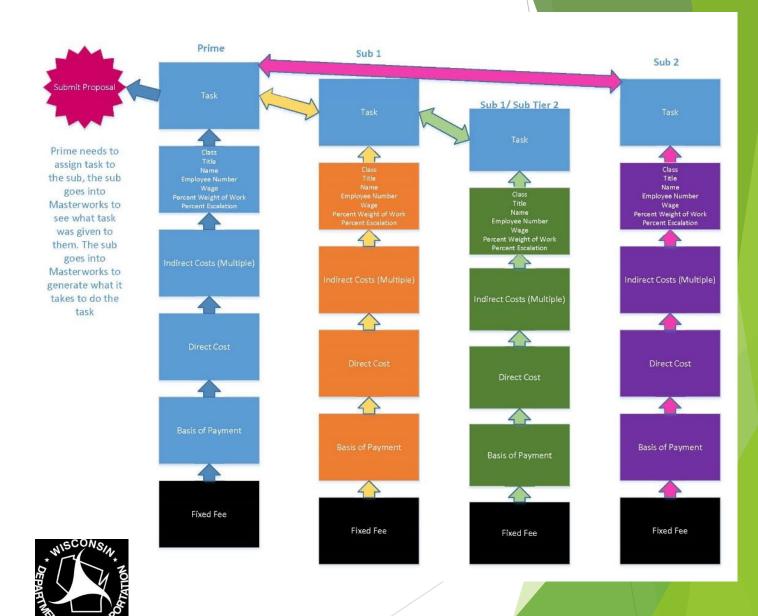






### Negotiation





### **Executed Contract**

- Masterworks system will be log in encryption security for work flow approval
- Print out of contract will be available to file contract
- Source record stored in system for legal and records retention purposes
- Snapshot of approved record stored and archived





### **Training**

### Audiences:

- WisDOT Contract Specialist Contract Supervisors
- WisDOT Planning PDS project staff
- WisDOT Negotiators Contract Development Project Management
- WisDOT Secretary Contract Approval Governor Approval
- Consultant Administrators
- Consultant Financial and Administration
- Consultant NOI Responders
- Consultant Negotiators- Contract Development
- Consultant Contract Management

Options: Face to Face - Job Aide Document- Training Video - Train the Trainer





### Implementation Schedule

- Training May 2017 December 2017
- Project Estimate/Resourcing/Management April 2017
- Contract Solicitation July-August 2017
- Contract Selection August 2017
- Contract Negotiation August 2017 December 2017
- Construction Management December 2017



### Questions





- ► Sharon Bremser, PE <u>sharon.bremser@dot.wi.gov</u> 608-215-5317
- http://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/contracts/econtract.aspx